

Remarks

Claims 5, 7, 12-14, 18-19, 21-24 and 28 are canceled. Claims 1-4, 6, 8-11, 16, 20, 25-27 and 29 are amended to more particularly point out and distinctly claim Applicants' invention. Claims 30-35 are newly presented.

The Examiner rejected Claims 1-29 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent Application Publication 2002/0004848 ("Droge") and *Applied Cryptography*, 2<sup>nd</sup> Edition ("Schneider"), the Examiner relying on Schneider to show features inherent in the Data Encryption Standard ("DES").

Applicants respectfully traverse the Examiner's rejection. As amended, Applicants' independent Claims 1, 6, 10 and 29 each recite providing an addition encryption for a payload that is already expected to be encrypted according to an encryption algorithm used in secured wireless communications over a wireless link. For example, Claim 1 recites:

1. A method for transmitting data over a wireless link to a gateway providing access to a wide area network, the method comprising:

encrypting a payload according to a first encryption algorithm;

adding a header to the encrypted payload to form a data packet;

encrypting the encrypted payload and the header of the data packet according to a second encryption algorithm, the second encryption algorithm being an encryption algorithm used for secured communications over the wireless link; and

transmitting the encrypted data packet over the wireless link.

As explained in Applicants' Specification, at page 3, lines 8-18, a payload encryption method according to the present invention is low-overhead, and is particularly advantageous

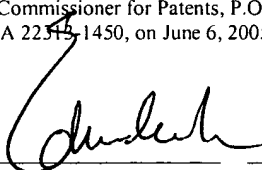
in a wireless link because it allows standard IP operations, such as routing or segmentation independent of the type of wireless network over which the data packet is being transmitted.

In contrast, at Droge's Figures 5 and 6, which the Examiner relied upon for his rejection, Droge discloses merely using two encryptions for two different protocol layers in a single protocol stack. Droge's Figures 5-6 thus neither disclose nor suggest Applicants' independent Claims 1, 6, 10 and 29. Accordingly, Applicants respectfully submit that Claims 1, 6, 10 and 29 and their respective dependent Claims 2-4, 8-9, 11, 15-17, 20 and 25-27 are each allowable over Droge. Reconsideration and allowance of Claims 1-4, 6, 8-11, 15-17, 20, 25-27 and 29 are therefore respectfully requested.

Newly presented Claims 30-35, each depending from Claim 29, are likewise believed allowable over Droge.

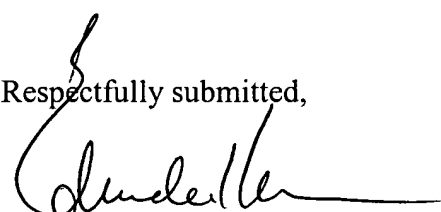
Accordingly, all pending claims (i.e., Claims 1-4, 6, 8-11, 15-17, 20, 25-27 and 29-35) are believed allowable and their allowance respectfully requested. If the Examiner has any question regarding the above, the Examiner is respectfully requested to telephone the undersigned Attorney for Applicant at 408-392-9250.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22315-1450, on June 6, 2005.

  
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6/6/2005  
Date of Signature

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